Southern Region Circuit F365 (Page J-67 of ComEd's 2002 Reliability Report):
This circuit, also known as F365, is located in Beecher, Crete, Crete Twp, Goodenow, Steger, and Washington Twp. The date of the last ComEd circuit inspection was March 4, 2003, and the last circuit tree trimming was January 12, 2003. Staff inspected this circuit on June 19, 2003, less than four months after ComEd's last circuit inspection and five months after ComEd's last circuit tree trimming. The reliability statistics for the past three years are as follows (see Table 10 of the Commission Assessment for a definition of each statistic):

Southern F365

Year	**SAIFI**	**CAIFI**	**CAIDI** (minutes)
2002	5.35	5.35	99
2001	0.41	1.21	96
2000	0.75	1.60	384

Of the 28 interruptions recorded for circuit F365, seven were lightning related, four were wind related, one was tree related, six were the result of equipment malfunctions, six were intentional, one was unknown, two were related to other causes, and one was a dig in by others. ComEd estimated that the 2003 cost of work would be $99,279. This work includes installing arresters at sixteen locations, replacing eye bolt stirrups at five locations, installing fuses at eleven locations and relocating fuses at five locations, replacing alley arms at two locations, installing fault indicators at one locations and installing reclosers at two locations, replacing cross arms at twenty-four locations, replacing five poles, replacing approximately one hundred insulators, and reducing slack spans at two locations.

During its field review, Staff observed items such as shell rotted poles, ragged or bad pole tops, bad cross arms, damaged cross arm braces, trees in close proximity or possible contact with the primary, slack spans into trees, blown lightning arrestors, lose bolts holding pole extensions on top of poles, broken strands on primary, and missing guy guards. The pole maps and circuit location maps provided by ComEd were very confusing with the large change in scale from map to map and sometimes even on the same map. A copy of Staff field notes and pictures for this circuit follows.

Field Notes and Pictures

Utility: ComEd Investigators: J. Stutsman & J. Spencer
Feeder Ckt/Sub: F365/DCF 36 (Goodenow) City: Beecher, Crete, Crete Twp, Goodenow, Steger, Washington Twp Voltage: 12kV Date: Thursday, June 19, 2003

Photo ID	Drawing No.	Location Description	Observations at this Location
E1	F365-4	Northwest corner of Intersection of Highway 394 and Burville Rd.	Pole Extension mounted on top of pole --- Bottom bolt is lose
	F365-4	2nd pole from the Northwest Corner of Intersection of Highway 394 & Burville Rd.	Blown Lightning Arrestor
	F365-4	"	Shell Rotted Pole
E2	F365-4	Pole mounted Transformer feeding Jobbes Cycle Works --- 1249 E. Burville Rd.	Lightning Arrestor Completely Blown Away
	F365-4	On Burville Rd. 2 poles East of Transformer T17012	Shell Rotted and Lose Pole Top
E3	F365-4	ROW behind 715 Lovella St.	Shell Rotted Pole & Pole is extremely bowed
	F365-4	356 Burville Rd.	Blown Lightning Arrestor
E4	F365-5	27025 Woodlawn Ave	Slack Span into Tree
	F365-5	"	Dead Ended into Pin mounted insulators --- thus the need for a slack span
E5	F365-13	26020 Stony Island	Branch into Transformer
	F365-2	Primary between Fuses 3321 and 3333	White Pine trees have been planted directly under entire section of Primary between these fuse locations
	"	Various locations	Trees were observed to be close to primary
	"	South of transformer 3A1 on Dixie Hwy	Split Crossarm
	"	Near Disconnect 840 along Goodenow Rd	Crossarm brace hanging down -- field side 2nd pole west of intersection of Goodenow Rd and Dixie Hwy / Hwy 1

	"	Primary Tap at Fuse 4379	Missing guy guard
	F365-1,2	Primary just outside DCF36 (Goodenow)	Missing guy guard
	F365-2	4 poles north of transformer 4A3 --- along Dixie Hwy north of intersection of Dixie Hwy and Church Rd	Bad Crossarm
	F365-4	Various locations along Burville Rd west of Calumet Expressway / Hwy 394	Blown Lightning Arrestors
	"	Various locations Along Burville Rd west of riser to URD transformer 4S1 (west of Calumet Expressway / Hwy 394	Shell rotted poles
	"	Along Burville Rd east of Cottage Grove Ave	Missing guy guard
	F365-5	Various locations along Offner Rd, Stoney Island Av, Goodenow Rd	Missing Guy Guards
	F365-6	Various location along Stony Island Ave	Missing Guy Guards
	F365-7	Various locations along Bemis Rd / Bemes Rd	Missing Guy Guards
	F365-8	Along E Goodenow Rd	Missing guy guard
	"	1 or 2 poles west of 3235 E Goodenow Rd	Broken strands on Primary
	F365-9	Various single phase taps off of Primary along Klemme Rd	Trees were observed to be very close to primary
	F365-10	Single phase tap off of Primary along Danne Rd to Transformer 3A2	Trees into Primary
	F365-11	Off of Danne Rd near Fuse 479	Missing guy guard
	F365-12	Taps off of primary along Root Dr and south of Old Mud Rd	Trees were into Primary along both taps
	F365-13	Various locations along Stony Island Ave	Shell rotted poles
	"	Various locations along tap from Stony Island Ave to Rincker Rd and also to transformers 3A4 and 3A2	Missing guy Guards

	"	26020 Stony Island	Branch into Transformer
	"	Tap to transformer 3A3	Line has been removed
	F365-1--14	Drawings 1 through 14	The change in scale from map to map and sometimes even on the same map was confusing

Notes: This summary for the circuit inspected represents typical observations noted by Staff engineers during the field inspection and DOES NOT represent all of the problems or potential problems that may exist on the circuit. In many cases, there were portions of the circuit that were not inspected at all. No effort was made to perform a thorough, detailed inspection as may need to be done by the utility.

Picture E-1

Picture E-2

Picture E-3

Picture E-4

Picture E-5